

RE-MAPPING AND INTERLEAVING TRANSPORT PACKETS
OF MULTIPLE TRANSPORT STREAMS FOR PROCESSING
BY A SINGLE TRANSPORT DEMULTIPLEXOR

Abstract of the Disclosure

5 Method, system and computer products are provided for
re-mapping and interleaving transport packets of multiple
transport streams for processing by a single transport
demultiplexor. The re-mapping and interleaving technique
ensures unique identification of transport packets
10 associated with multiple transport streams to be multiplexed
onto a transport channel for demultiplexing by a single
transport demultiplexor. At least one PID re-map table is
employed having re-map values indexed by n possible PID
values of transport packets associated with at one transport
15 stream of the multiple transport streams. The n possible
PID values is less than or equal to the number of PID values
which can be handled by the single transport demultiplexor,
and is less than all possible PID values of transport
packets within the multiple transport streams. The PID
20 values of transport packets within at least one transport
stream are compared with the n possible PID values of the
PID re-map table, and when a match is found, the table is
indexed using the matching entry and a re-map value is
generated therefrom. The re-map value replaces the original
25 PID value within the transport packet to be forwarded for
interleaving.